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National Aeronautics
and Space Administration

February 16, 1995

NRA 95-OSS-05

Research Announcement

Research in Planetary Astronomy and Planetary Atmospheres

Proposals Due: May 16, 1995

OMB Approval No. 2700-0042

Research in Planetary Astronomy and Planetary Atmospheres

NASA Research Announcement
Soliciting
Proposals for Basic Research
For the Period Ending
May 16, 1995

NRA 95-OSS-05
Issued: February 16, 1995

Office of Space Science
National Aeronautics and Space Administration
Washington, DC 20546-0001

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Planetary Astronomy and Planetary Atmospheres Programs

This NASA Research Announcement (NRA) solicits basic research proposals for the Planetary Astronomy and Planetary Atmospheres Programs. It replaces the announcements for these programs issued in previous years.

Participation in these programs is open to all categories of organizations, both domestic and foreign: industry, educational institutions, other nonprofit organizations, NASA centers, and other Government agencies. Proposals may be submitted at any time before May 16, 1995. Proposals received before May 16, 1995, will be evaluated by scientific peer reviews during June/July 1995. Grants or contracts, as appropriate, will be awarded during Federal Fiscal Year 1996 (i.e., after October 1, 1995), pending availability of funds, to projects selected for funding.

Further details relevant to this program are included in the appendices to this Announcement. In response to the increased awareness of ecological issues on the parts of both NASA and the scientific community, NASA will conserve paper and reduce waste by providing these appendices through anonymous file-transfer-protocol (ftp) from Internet host: nssdca.gsfc.nasa.gov. The command "ftp nssdca.gsfc.nasa.gov" should be used from the host machine. The user will then be prompted for a user name (use "anonymous") and a password (please use your "own host name"). ASCII, WordPerfect, and Microsoft Word files for the AO, all Appendices and required forms are located in the directory "hq-nras.patm". In addition, a file named "readme" resides in this directory and gives detailed instructions on obtaining the necessary files electronically. Paper copies of the AO and appendices will be available at the address shown below only if the prospective proposer's institution lacks Internet access to ftp.

Appendix A provides technical and programmatic information, describes significant changes since last year, and provides amendatory guidance to Appendix B, applicable only to this NRA. Appendix B contains the general "Guidelines for Responding to NASA Research Announcements (NRA) for Solicited Basic Research Proposals." Appendix C contains a model format for the first pages of proposals submitted to the Planetary Astronomy and Planetary Atmospheres Programs. Appendix D describes procedures for responding to the Planetary Instrument Upgrade Program (PIUP) in the Solar System Exploration Division.

The following items apply only to this Announcement.

Identifier:	NRA 95-OSS-05
Submit general **Planetary Astronomy** Proposals to:	Planetary Astronomy Review Panel Lunar and Planetary Institute (LPI) 3600 Bay Area Boulevard Houston, TX 77058 (713) 486-2149
Copies required:	20 copies to LPI The original and one copy to Dr. J. H. Rahe (see address below)

Obtain additional information from:	Dr. Jurgen H. Rahe Planetary Astronomy Program Solar System Exploration Division Code SLD Office of Space Science NASA Headquarters Washington, DC 20546-0001 (202) 358-0308
Submit **Planetary Atmospheres** proposals to:	Planetary Atmospheres Review Panel Lunar and Planetary Institute (LPI) 3600 Bay Area Boulevard Houston, TX 77058 (713) 486-2149
Copies required:	10 copies to LPI The original and one copy to Dr. J. T. Bergstralh (see address below)
Obtain additional information from:	Dr. Jay T. Bergstralh Planetary Atmospheres Program Solar System Exploration Division Code SLC Office of Space Science NASA Headquarters Washington, DC 20546-0001 (202) 358-0313 E-mail: bergstralh@sl.ms.ossa.hq.nasa.gov
Selecting official:	Director, Solar System Exploration Division Office of Space Science

Your interest and cooperation in participating in this effort are appreciated.

Wesley T. Huntress, Jr.
Associate Administrator
for Space Science

Enclosures

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Research in Planetary Astronomy
and
Planetary Atmospheres

NRA 95-OSS-05

Appendix A:	**Description of Programs**
Appendix B:	**Guidelines for Proposal Preparation**
Appendix C:	**Blank Forms**
Appendix D:	**Planetary Instrument Upgrade Program**
Attachments:	**Certification Forms; Debarment & Suspension, Drug-Free Workplace, Lobbying**

NASA Research Announcement (NRA)/Announcement of Opportunity (AO) Mailing List Update

If your current address is NOT up-to-date, please fill out this form completely.

This is the update form for the NASA Office of Space Sciences (OSS) NRA/AO mailing list. Please fill out CONTACT INFORMATION completely. Check only those that apply in Institution Type and Discipline. Fold the form, secure with tape, and mail it back to the address on the reverse side. Proper postage must be applied.

Please check which announcements you would like to receive:

- ☐ 1. NASA Research Announcements (basic, non-flight, on-going research)
- ☐ 2. Announcements of Opportunity (specific space flight mission)

Must check one, please include code number from mailing label:

- ☐ 1. Please ***add*** my name to the mailing list.
- ☐ 2. Please ***remove*** my name from the mailing list (please attach mailing label)
- ☐ 3. Please ***update*** my current listing.

CONTACT INFORMATION If your address has changed or your mailing label is incorrect, please provide ***COMPLETE*** contact information.

Code Number: (obtain from mailing label) | Salutation: (Mr.,Mrs.,Ms.,Dr.,Prof.,etc.) | Suffix (Ret.,PhD.,Jr.,III,etc.)

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Organization:

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Institution Type

(check only those that apply)

- ☐ 1. College or University
- ☐ 2. Minority College or University
- ☐ 3. Foreign Addressee
- ☐ 4. Minority Business
- ☐ 5. NASA HQs/Center
- ☐ 6. Nonprofit Corporation
- ☐ 7. Other Government Agency
- ☐ 8. Private Industry
- ☐ 9. Small Business

Societies:

- ☐ A. American Astronomical Society
- ☐ B. American Geophysical Union
- ☐ C. Others _____

Discipline:

(check only those that apply)

1. Astronomy and Astrophysics

- ☐ A. Theory and Modeling
- ☐ B. Instrumentation (Technology Dev)
- ☐ C. Laboratory Astrophysics
- ☐ D. Data Analysis (Archival)
- ☐ E. Observational Programs

2. Solar System Exploration

- ☐ A. Planetary Atmospheres and Astronomy
- ☐ B. Planetary Materials and Geochemistry
- ☐ C. Planetary Geology and Geophysics
- ☐ D. Instrument Development
- ☐ E. Origins of Solar Systems
- ☐ F. Exobiology

3. Space Physics

- ☐ A. Cosmic and Heliosphere Physics
- ☐ B. Solar Physics
- ☐ C. Magnetospheric Physics
- ☐ D. Iono-Thermo-Mesospheric Physics

4. Information Systems/Computer Science

- ☐ A. High Performance Computing and Networking
- ☐ B. Scientific Data Analysis and Visualization
- ☐ C. Science Data Storage and Management
- ☐ D. Software Technology

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